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(54) USE OF NITROGEN MONOXIDE FOR REDUCTION OF CONTAMINATION IN REACTOR DURING GRAFT COPOLYMERIZATION OF POLYPROPYLENE

(57) Abstract:

PROBLEM TO BE SOLVED: To reduce contamination in a reactor by subjecting a propylene polymer, in the presence of an inert gas containing a certain amount of nitrogen monoxide, to a treatment with an organic compound as a radical polymerization initiator and a treatment with a graft monomer.

SOLUTION: About 0.05-50 pts. wt. nitrogen monoxide is mixed with 1,000,000 pts. wt. inert gas. A treatment with a graft monomer is carried out in a course simultaneous with, partly overlapping with and subsequent to, or subsequent to a treatment with an organic compound as a radical polymerization initiator. A graft monomer is employed at a level of about 5 - about 40 pts. wt. relative to 100 pts. wt. propylene polymer. An unreacted monomer is removed and an unreacted initiator is decomposed and inactivated.

LEGAL STATUS

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